M30263T-42SSB

Converter Board for 42-pin 0.8-mm-pitch SSOP

User's Manual

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1. Outline

The M30263T-42SSB is a converter board for connecting the emulation probe M30290T-EPB for M16C/26A, 28, 29 Groups and the compact emulator M30290T2-CPE to a foot pattern for M16C/26A Group 42-pin 0.8-mm-pitch SSOP (42P2R-E).

2. Package Components (See Figure 1)

(1) M30263T-42SSB 1 pc.
(Base board M30290T-PTCB and 150mm FFC cable included)
(2) M3T-SSOP42B-450 1 pc.
(3) Socket main unit 1 pc.
(made by Matsushita Electric Works, Ltd.)
(4) Socket frame 2 pcs.
(made by Matsushita Electric Works, Ltd.)
(5) M30263T-42SSB User's Manual (This manual) 1 pc.

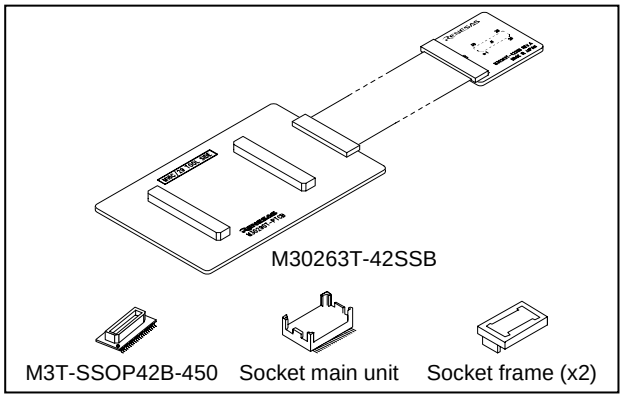


Figure 1 Package components of the M30263T-42SSB

3. Specifications

Table 1 Specifications

Applicable package	42P2R-E (42-pin 0.8-mm-pitch SSOP)
Insertion/removal iterations of connector	Between M30263T-42SSB and M3T-SSOP42B-450: 50 times guaranteed
	Between M30290T-EPB or M30290T2-CPE and M30290T-PTCB: 50 times guaranteed

4. Usage (See Figure 2)

The M30263T-42SSB can be used for debugging and board mounted evaluation in common by mounting the socket directly on the user system.

(1) For debugging
Mount the socket directly to the foot pattern on the user system. On top if it, mount the M3T-SSOP42B-450 and socket frame in that order.
After connecting the M30290T-EPB or M30290T2-CPE and the M30290T-PTCB, connect the M30263T-42SSB to top of the M3T-SSOP42B-450.

(2) For onboard evaluation
Mount an M16C/26A Group MCU and socket frame in that order to the socket on the user system.

Before using the M30263T-42SSB, be sure to read "8. Precautions" on page 4 and the M30290T-EPB or M30290T2-CPE User's Manual.

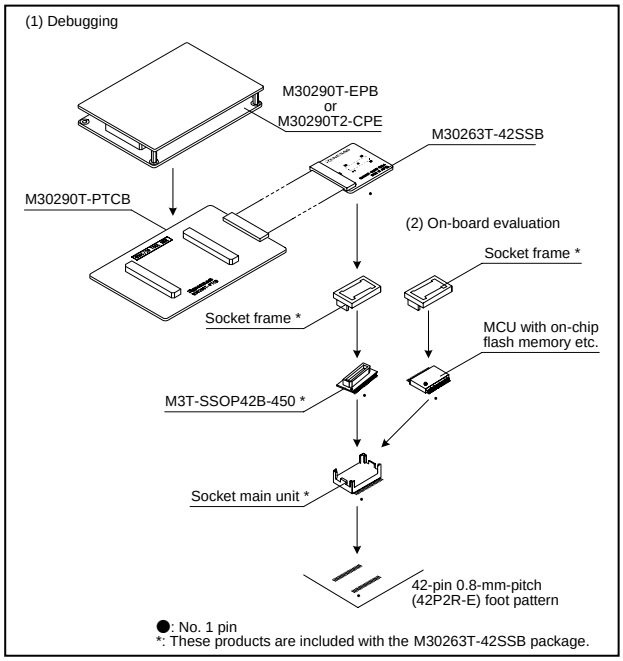


Figure 2 Usage of the M30263T-42SSB

5. External Dimensions of the M30263T-42SSB (See Figure 3)

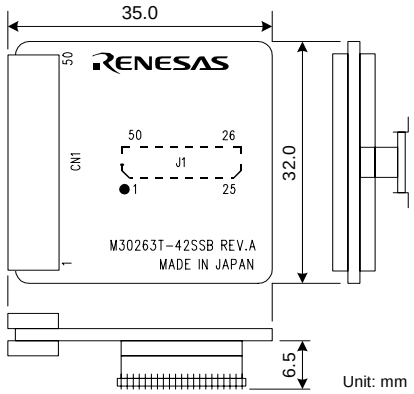
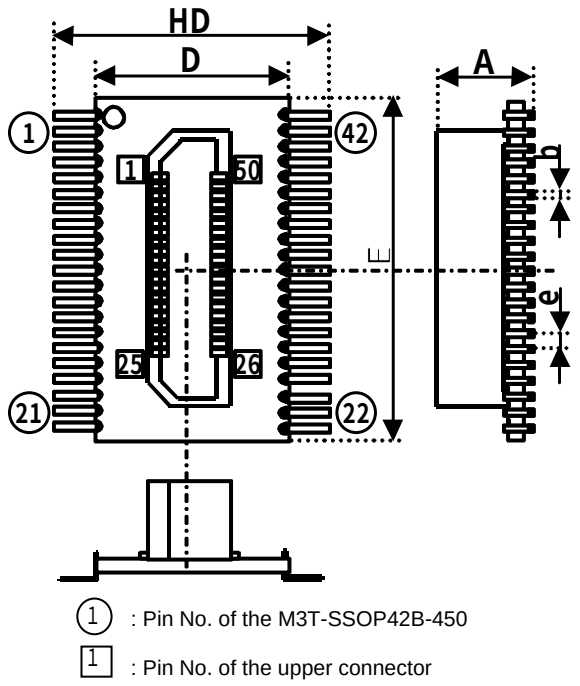
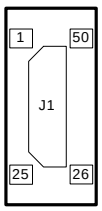


Figure 3 External Dimensions of the M30263T-42SSB

6. External Dimensions of the M3T-SSOP42B-450 (See Figure 4)



Symbol	Dimension [mm]
A	4.2
b	0.3
D	8.4
E	17.5
e	0.8
HD	12.4



Upper connector J1:
AXK5S50045P
(made by Matsushita Electric Works, Ltd.)

Board	Material :	Glass epoxy board
Pin	Material :	Bronze phosphide
	Plating :	Solder plating
Upper connector (J1)	Material :	Heat tolerant regin (body) Copper alloy (post, contact)
	Plating :	Nickel-based gold plating

Figure 4 External Dimensions of the M3T-SSOP42B-450

7. Target Foot Pattern (See Figure 5)

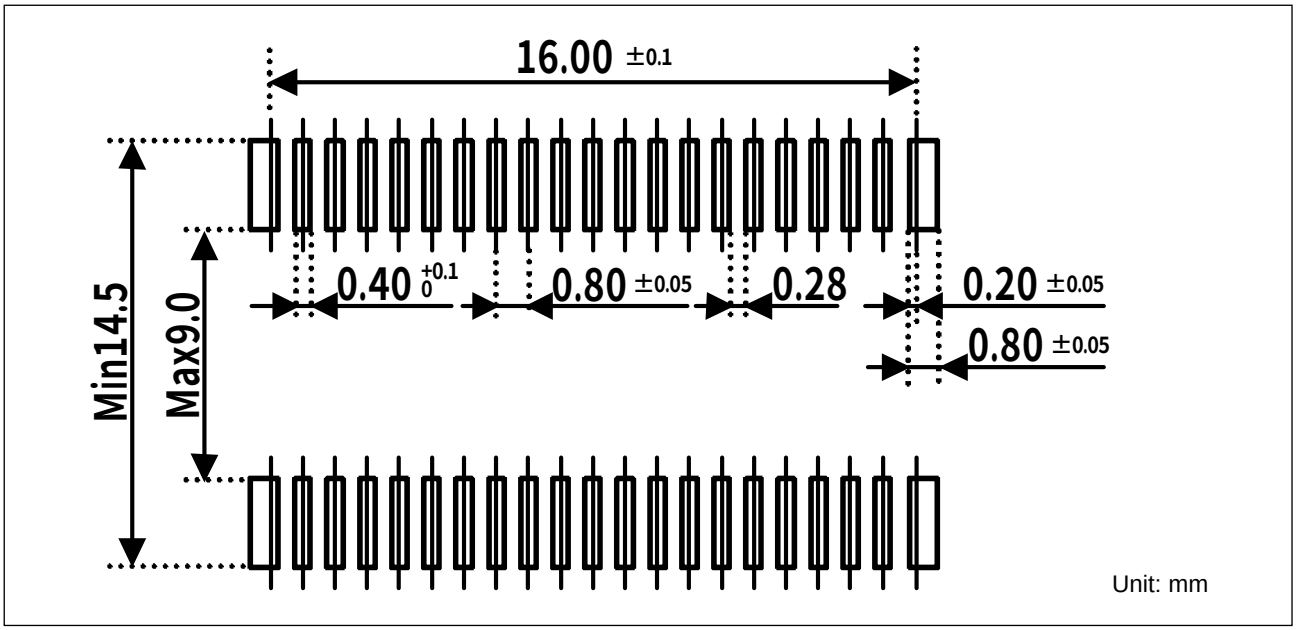


Figure 5 Dimensions of the target foot pattern (Quoted from the specifications of IC socket for SSOP by Matsushita Electric Works, Ltd.)

8. Precautions

⚠ CAUTION

Cautions to Be Taken for This Product:

- Do not pull or excessively flex the cable. The cable may cause a break.
- Do not solder the M3T-SSOP42B-450 directly on the target. Use the included socket.
- When attaching the M3T-SSOP42B-450, be sure to confirm the pin positions.
- When soldering the socket's body and mounting the M3T-SSOP42B-450, refer to the supplementary document "Mounting the Socket Included with the M3T-SSOP42B-450" and "Notes on Handling M3T-SSOP42B-450".
- Do not apply an unnecessary stress to the M3T-SSOP42B-450.
- Do not touch the pins of the M3T-SSOP42B-450.
- Store this product in the dedicated case.

IMPORTANT

Notes on This Product:

- We cannot accept any request for repair.
- To remove the socket frame, use the dedicated tool AXY89404201* (made by Matsushita Electric Works, Ltd.).
  * To purchase this product and socket frame for repair, contact Matsushita Electric Works, Ltd.
- For inquiries about the product or the contents of this manual, contact your local distributor.
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